

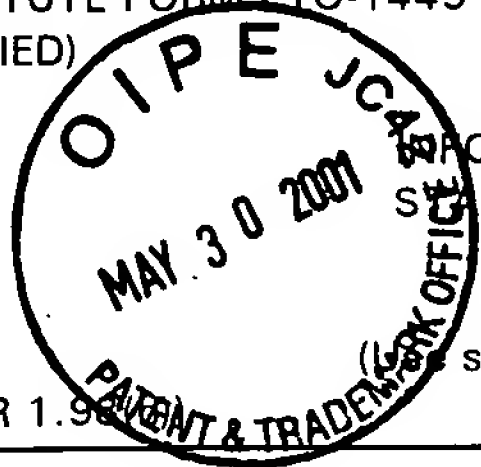
File ~~Applicants~~ Copy RECEIVED
Sheet 1 (A) of 10
JUN 01 2001

SUBSTITUTE FORM PTO-1449
(MODIFIED)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
MRD/60

SERIAL NO.
09/766,347



INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT
Raghavan Rajagopalan et al.

TECH CENTER 1600/2900

FILING DATE
January 19, 2001

GROUP
1614 1641

(37 CFR 1.901)

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MEC	A.A	5	5	1	8	8	8	8	5/1996	Waldman			
MEC	A.B	5	7	1	4	3	4	2	2/1998	Komoriya et al.			
	A.C												
	A.D												
	A.E												
	A.F												
	A.G												
	A.H												
	A.I												
	A.J												
	A.K												

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	A.L						
	A.M						
	A.N						
	A.O						
	A.P						
	A.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

MEC	A.R	S. Achilefu, Ph.D. et al., <u>Novel Receptor-Targeted Fluorescent Contrast Agents for In Vivo Tumor Imaging</u> , Investigative Radiology, Vol. 35, No. 8, 2000, 479-485.
MEC	A.S	Jerome Amaudrut et al., <u>The Thermal Sulfenate-Sulfoxide Rearrangement: A Radical Pair Mechanism</u> , J. Amer. Chem. Soc., Vol. 122, 2000, 3367-3374.
MEC	A.T	A. Andreoni et al., <u>Tumour photosensitization by chemotherapeutic drugs</u> , Biology, N3, 1993, 43-46.

EXAMINER

Mary E. Capley

DATE CONSIDERED

04/11/03

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449
(MODIFIED)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
MRD/60

SERIAL NO.
09/766,347

Sheet 2 (B) of 10
RECEIVED

JUN 01 2001

APPLICANT
Raghavan Rajagopalan et
al.

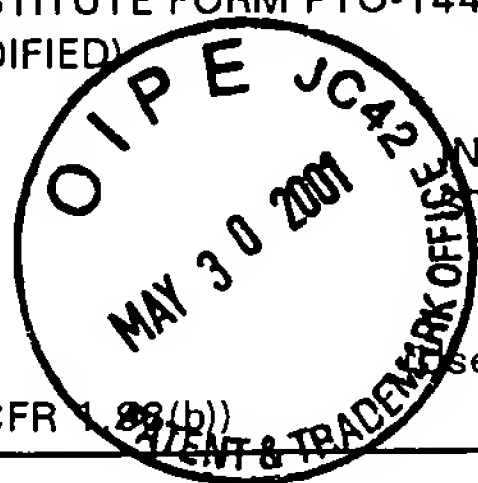
TECH CENTER 1600/2900

FILING DATE
January 19, 2001

GROUP
1614 1641

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(37 CFR 1.98(b))
Use several sheets if necessary)



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	B.A						
	B.B						
	B.C						
	B.D						
	B.E						
	B.F						
	B.G						
	B.H						
	B.I						
	B.J						
	B.K						

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	B.L						
	B.M						
	B.N						
	B.O						
	B.P						
	B.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

<i>MRC</i>	B.R	Byron Ballou et al., <u>Tumor labeling in vivo using cyanine-conjugated monoclonal antibodies</u> , Cancer Immunology and Immunotherapy, Vol. 41, 1995, 257-263.
<i>MRC</i>	B.S	M.D. Daniell et al., <u>A History of Photodynamic Therapy</u> , Aust. N.Z. J. Surg., Vol. 61, 1991, 340-348.
<i>MRC</i>	B.T	T.J. Dougherty et al., <u>Photoradiation Therapy. II. Cure of Animal Tumors with Hematoporphyrin and Light</u> , Journal of the National Cancer Institute, Vol. 55, No. 1, 1975, 115-121.

EXAMINER

Mary E. Caporale

DATE CONSIDERED

04/11/03

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

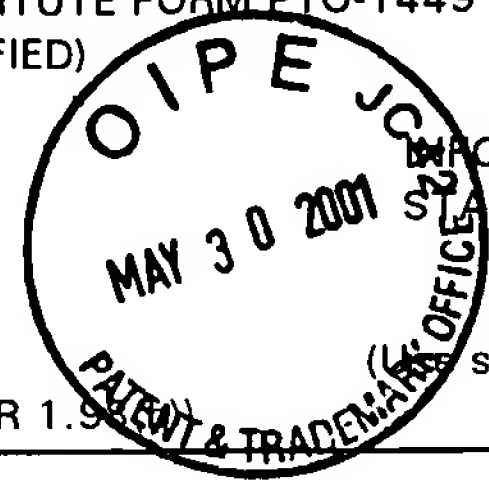
RECEIVED
Sheet 3 of 10

SUBSTITUTE FORM PTO-1449
(MODIFIED)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
MRD/60

SERIAL NO.
09/1961347



INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT
Raghavan Rajagopalan
al.

TECH CENTER 1600/2900

(37 CFR 1.901) (several sheets if necessary)

FILING DATE
January 19, 2001

GROUP
1614 1641

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	C.A						
	C.B						
	C.C						
	C.D						
	C.E						
	C.F						
	C.G						
	C.H						
	C.I						
	C.J						
	C.K						

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	C.L						
	C.M						
	C.N						
	C.O						
	C.P						
	C.Q						

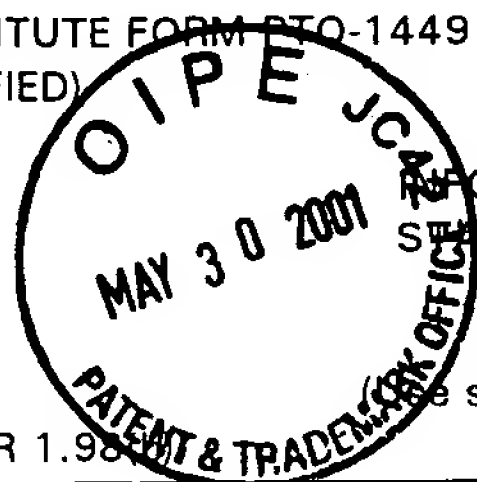
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

MEC	C.R	G. Freiherr, <u>The Light Stuff: Optical Imaging in Medical Diagnosis</u> , Medical Device & Diagnostc Industry Magazine, 1998, 1-7.
MEC	C.S	M.R. Hamblin et al., <u>On the mechanism of the tumour-localising effect in photodynamic therapy</u> , J. Photochem. Photobiol. B: Biol., Vol. 23, 1994, 3-8.
MEC	C.T	J. C. Hebden et al., <u>Diagnostic imaging with light</u> , The British Journal of Radiology, Vol. 70, 1997, S206-S214.

EXAMINER *Mary E. Geerley*

DATE CONSIDERED
04/11/03

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
MRD/60**RECEIVED**
SERIAL NO. 09/766,347INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Raghavan Rajagopalan et
al.

JUN 01 2001

FILING DATE
January 19, 2001

TECH CENTER 1600/2900

GROUP
1614-1641

(37 CFR 1.98) Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	D.A						
	D.B						
	D.C						
	D.D						
	D.E						
	D.F						
	D.G						
	D.H						
	D.I						
	D.J						
	D.K						

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	D.L						
	D.M						
	D.N						
	D.O						
	D.P						
	D.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

MEC	D.R	D.J. Hnatowich et al., <u>Radioactive Labeling of Antibody: A Simple and Efficient Method</u> , Science, Vol. 220, 1983, 613-615.
MEC	D.S	G. Jori, <u>Tumour photosensitizers: approaches to enhance the selectivity and efficiency of photodynamic therapy</u> , Journal of Photochemistry and Photobiology B: Biology, Vol. 36, 1996, 87-93.
MEC	D.T	G. Jori, <u>Novel Therapeutic Modalities Based on Photosensitized Processes</u> , Journal of Photochemistry and Photobiology B: Biology, No. 60, 1997, 12-18.

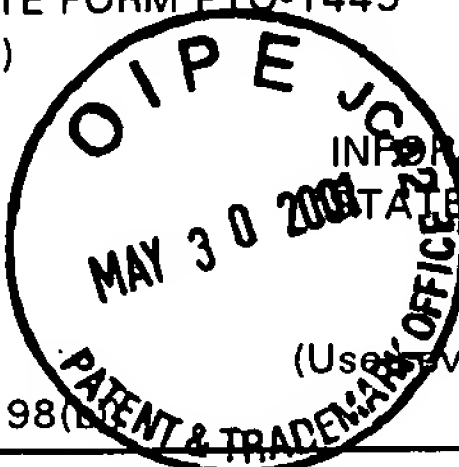
EXAMINER

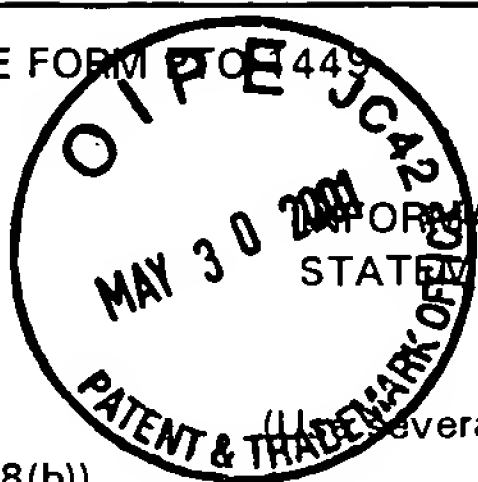
Mary E. Ceperley

DATE CONSIDERED

04/11/03

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MRD/60	SERIAL NO. 09/766,347	
 <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use several sheets if necessary)</p>				APPLICANT Raghavan Rajagopalan et al.		
				FILING DATE January 19, 2001		GROUP 1614 1641
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	FILING DATE IF APPROPRIATE
	E.A					
	E.B					
	E.C					
	E.D					
	E.E					
	E.F					
	E.G					
	E.H					
	E.I					
	E.J					
	E.K					
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS						
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	TRANSLATION (YES/NO)
	E.L					
	E.M					
	E.N					
	E.O					
	E.P					
	E.Q					
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)						
<i>MEC</i>	E.R	G. Jori, <u>Far-red-absorbing photosensitizers: their use in the photodynamic therapy of tumours</u> , J. Photochem. Photobiol. A: Chem., Vol. 62, 1992, 371-378.				
<i>MEC</i>	E.S	G. Jori et al., <u>Second Generation Photosensitizers for the Photodynamic Therapy of Tumours</u> , Light in Biology and Medicine, Vol. 2, R.H. Douglas et al. (Eds.), 1991, 253-266.				
<i>MEC</i>	E.T	M. Korbelik, <u>Photosensitizers in photodynamic therapy</u> , Periodicum Biologorum, Vol. 93, No. 4, 1991, 563-574.				
EXAMINER <i>Mary E. Coperley</i>				DATE CONSIDERED <i>04/11/03</i>		
EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.						

SUBSTITUTE FORM 1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
MRD/60SERIAL NO.
09/766,347INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Raghavan Rajagopalan et
al.FILING DATE
January 19, 2001GROUP
~~7614~~ 1641(37 CFR 1.98(b))
(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	F.A						
	F.B						
	F.C						
	F.D						
	F.E						
	F.F						
	F.G						
	F.H						
	F.I						
	F.J						
	F.K						

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	F.L						
	F.M						
	F.N						
	F.O						
	F.P						
	F.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

MEL	F.R	K. Licha et al., <u>New Contrast Agents for Optical Imaging: Acid-Cleavable Conjugates of Cyanine Dyes with Biomolecules</u> , In Biomedical Imaging: Reporters, Dyes, and Instrumentation, D.J. Bornhop, C. Contag, and E.M. Servick-Muraca (Eds.), Proceedings of SPIE, Vol. 3600, 1999, 29-35.
MEL	F.S	R.L. Lipson, M.D. et al., <u>Hematoporphyrin Derivative for Detection and Management of Cancer</u> , Cancer, Vol. 20, No. 12, 1967, 2255-2257.
MEL	F.T	Y. Luo et al., <u>Rapid Initiation of Apoptosis by Photodynamic Therapy</u> , Photochemistry and Photobiology, Vol. 63, No. 4, 1996, 528-534.

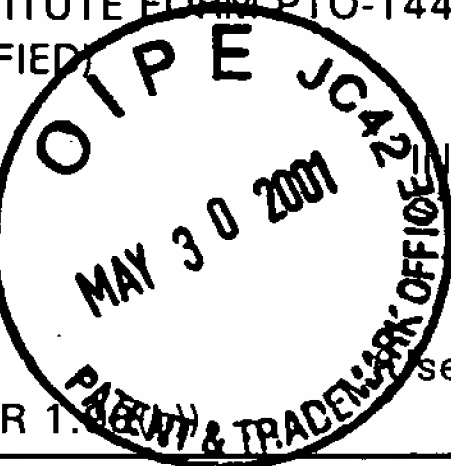
EXAMINER

Mary E. Caporale

DATE CONSIDERED

04/11/03

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
MRD/60SERIAL NO.
09/766,347INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Raghavan Rajagopalan et
al.FILING DATE
January 19, 2001GROUP
16T4 1641

(37 CFR 1.102) Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	G.A						
	G.B						
	G.C						
	G.D						
	G.E						
	G.F						
	G.G						
	G.H						
	G.I						
	G.J						
	G.K						

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	G.L						
	G.M						
	G.N						
	G.O						
	G.P						
	G.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

MEC	G.R	K. Matsumura, <u>1-Aminoacridine-4-carboxylic Acid</u> , Journal of the American Chemical Society, Vol. 60, (1938) 591-593.
MEC	G.S	G.G. Miller et al., <u>Preclinical Assessment of Hypocrellin B and Hypocrellin B Derivatives as Sensitizers for Photodynamic Therapy of Cancer: Progress Update</u> , Photochemistry and Photobiology, Vol. 65, No. 4, 1997, 714-722.
MEC	G.T	T. Parasassi et al., <u>Two-photon microscopy of aorta fibers shows proteolysis induced by LDL hydroperoxides</u> , Free Radical Biology and Medicine, Vol. 28, No. 11, 2000, 1589-1597.

EXAMINER

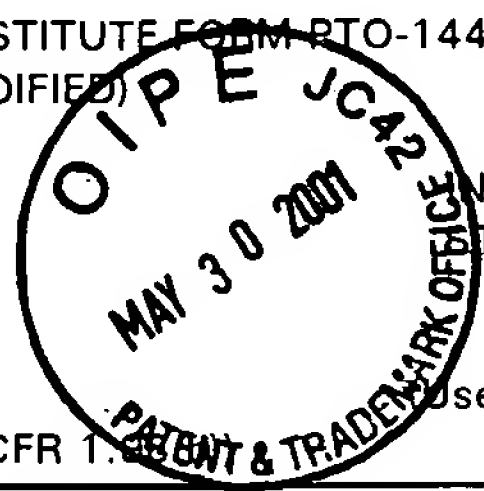
Mary E. Ceperley

DATE CONSIDERED

04/11/03

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MRD/60		SERIAL NO. 09/766,347	
<div style="position: relative; height: 100px;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; border: 1px solid black; border-radius: 50%; text-align: center; line-height: 100px; font-size: 24px; font-weight: bold;"> O T P E MAY 30 2001 PATENT & TRADEMARK OFFICE </div> </div>				INFORMATION DISCLOSURE STATEMENT BY APPLICANT			
				(37 CFR 1.98(b))			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	H.A						
	H.B						
	H.C						
	H.D						
	H.E						
	H.F						
	H.G						
	H.H						
	H.I						
	H.J						
	H.K						
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	H.L						
	H.M						
	H.N						
	H.O						
	H.P						
	H.Q						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
<i>MTC</i>	H.R	D.J. Pasto et al., <u>Demonstration of the Synthetic Utility of the Generation of Alkoxy Radicals by the Photo-Induced, Homolytic Dissociation of Alkyl 4-Nitrobenzenesulfonates</u> , Tetrahedron Letters, Vol. 35, No. 25, 1994, 4303-4306.					
<i>MTC</i>	H.S	A. Pelegrin et al., <u>Photoimmunodiagnosis with antibody-fluorescein conjugates: in vitro and in vivo preclinical studies</u> , J. Cell Pharmacol, Vol. 3, 1992, 141-145.					
<i>MTC</i>	H.T	W. G. Roberts et al., <u>Role of Neovasculature and Vascular Permeability on the Tumor Retention of Photodynamic Agents</u> , Cancer Research, Vol. 52, 1992, 924-930.					
EXAMINER <i>Mary E. Caperley</i>				DATE CONSIDERED <i>04/11/03</i>			
EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance <u>and</u> not considered. Include a copy of this form with next communication to applicant.							

SUBSTITUTE FORM PTO-1449
(MODIFIED)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
MRD/60SERIAL NO.
09/766,347INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Raghavan Rajagopalan et
al.FILING DATE
January 19, 2001GROUP
~~4614~~ 1641

(37 CFR 1.101) Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	I.A						
	I.B						
	I.C						
	I.D						
	I.E						
	I.F						
	I.G						
	I.H						
	I.I						
	I.J						
	I.K						

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	I.L						
	I.M						
	I.N						
	I.O						
	I.P						
	I.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

MEC	I.R	G.I. Stables et al., <u>Photodynamic therapy</u> , Cancer Treatment Reviews, Vol. 21, 1995, 311-323.
MEC	I.S	T. Takemura et al., <u>Mechanism of Photodynamic Therapy: Exploration by Photophysicochemical Study</u> , Frontiers of Photobiology, 1993, 503-506.
MEC	I.T	K.B. Trauner et al., <u>Photodynamic Synovectomy Using Benzoporphyrin Derivative in an Antigen-induced Arthritis Model for Rheumatoid Arthritis.</u> , Photochemistry and Photobiology, Vol. 67, No. 1, 1998, 133-139.

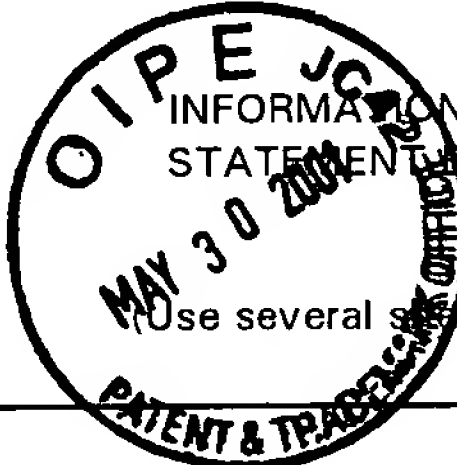
EXAMINER

Mary E. Ceperley

DATE CONSIDERED

04/11/03

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. MRD/60		SERIAL NO. 09/766,347	
 <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use several sheets if necessary)</p> <p>(37 CFR 1.98(b))</p>				APPLICANT Raghavan Rajagopalan et al.			
				FILING DATE January 19, 2001		GROUP 1614 1641	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	J.A						
	J.B						
	J.C						
	J.D						
	J.E						
	J.F						
	J.G						
	J.H						
	J.I						
	J.J						
	J.K						
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	J.L						
	J.M						
	J.N						
	J.O						
	J.P						
	J.Q						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
<i>MAC</i>	J.R	I.P.J. van Geel et al., Photosensitizing Efficacy of MTHPC-PDT Compared to Photofrin-PDT in the RIF1 Mouse Tumour and Normal Skin, Int. J. Cancer, Vol. 60, 1995, 388-394.					
	J.S						
	J.T						
EXAMINER <i>Mary E. Caperley</i>				DATE CONSIDERED <i>04/11/03</i>			
EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.							